CORD
Summer Science Camps 2005

WAY COOL SCIENCE STUFF

Five Exciting Camps For Middle School Students

June 20 - July 29, 2005

Center for Community Outreach Development

UAB THE UNIVERSITY OF ALABAMA AT BIRMINGHAM
Camp 1: Molecules and You
Entering 6th graders
Embark on a week-long adventure to explore the molecules that underlie life.
- Perform hands-on experiments.
- Use state-of-the-art research equipment.
- Learn how molecules play a role in everyday life.
- Use mathematics to collect and interpret data.
- Design your own experiments and present your results to others.
- Explore career opportunities in chemistry and biomedical sciences.
- Explain to your parents how antacids work in stressed-out adults.

Camp 2: Over the Hills and Through the Vales
Entering 7th graders
Explore a forest to learn how changes in its plants and animals may affect your health.
- Collect and analyze data about the forest and its plants, amphibians, reptiles, and mammals.
- Use computers to mathematically analyze the data you collect and graphically present it to your fellow campers.
- Learn about pollution tolerance, dominance and species diversity.
- Discover the processes of adaptation and natural selection that aid survival.

Camp 3: Environmental Engineering and Your Health
Entering 7th graders
Be an environmental engineer for the week.
- Use high-tech instruments to monitor air and water quality, temperature and humidity changes.
- Learn to analyze your data and develop a presentation to communicate your results.
- Gain insight into the relationship between the environment and human health.
- Understand environmental conditions related to your health.

Camp 4: Diving into the Gene Pool
Entering 8th graders
Dive into the gene pool and investigate the role that DNA plays in every living creature.
- Discover what makes up a cell.
- Isolate DNA from different organisms, including yourself.
- Use modern molecular biology techniques and sharpen your computer skills.
- Conduct a forensic analysis of your own DNA "fingerprint."
- By week’s end, you will be well on your way to being a CSI-type sleuth.

CORD
empowering rising stars
To The Parents
CORD’s Summer Science Camps

- Are based on CORD’s 8 years of experience, empowering students in the Birmingham area to excel in science.
- Provide outstanding hands-on experiences and in-depth understanding of the content, tools, and processes of science.
- Facilitate learning in future science and math classes.
- Demonstrate the importance of science in everyday living.
- Use state-of-the-art scientific tools to design research projects and analyze the data collected.
- Develop computer skills.
- Use small groups to make laboratory experiences meaningful and engaging in order to foster communication about science.
- Camps will be offered to a different set of campers on 5 consecutive weeks, allowing 100 children to participate in each camp.
- Each camp is designed for students entering a specific grade.
- Camps meet Monday through Friday from 8:30 AM until 5:00 PM.

For application forms and more information contact:

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- Children may apply for more than one camp.
- Acceptance into the camps will be based on available space and regional distribution of students.
- We will inform parents in April of their child’s acceptance into the program.
- You select the weeks your child will be available for camp.

Tuition for each week-long camp is $300. Some scholarships will be available.